

RAPID-ACTUATED SUCTION CUP DEVICE**ABSTRACT**

5 A suction device having a suction cup; a pulling bar, the
pulling bar having a first end coupled to the suction cup and an
opposed second end; a cover having a spiral guiding ring, the
spiral guiding ring having a flange on an inner surface; a
spiral guiding cap having a rib, the spiral guiding cap being
10 rotatably coupled to the spiral guiding ring so that the flange
moves along the rib when the spiral guiding cap is rotated and
a locking cap coupled to the second end of the pulling bar, the
locking cap having a head positionable against the spiral
guiding cap; wherein the spiral guiding cap is turned less than
15 360 degrees to reach a fully engaged condition.